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PATENT
Docket No. 15436.170.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Deng et al.

Serial No.: 10/695,057

Filed: Oct.28, 2003

Confirmation No.: 5980

For: *WIDE TEMPERATURE RANGE VERTICAL CAVITY
SURFACE EMITTING LASER*

Examiner: Minsun Oh Harvey

Patent No.: 7,356,057 B2

Issue Date: Apr. 8, 2008



Art Unit
2828

Certificate

JUN 30 2010

of Correction

REQUEST FOR A CERTIFICATE OF CORRECTION
UNDER 37 C.F.R. § 1.323

Attention: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

In accordance with the provisions of 37 C.F.R. § 1.323, which implements 35 U.S.C. § 255, the Director is respectfully requested to issue a Certificate of Correction to correct mistakes in the above-identified patent. The enclosed Patent Office Form PTO/SB/44 reflects the desired corrections.

Payment in the amount of \$100, as set forth in 37 C.F.R. § 1.20(a) is submitted herewith to cover the costs for issuance of the requested Certificate of Correction. The Commissioner is hereby authorized to charge payment of any of the following fees that may be applicable to this communication, or credit any overpayment, to Deposit Account No. 23-3178: (1) any filing fees

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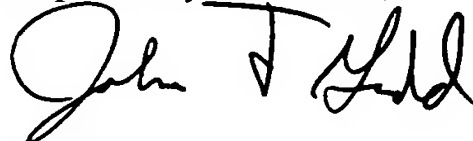
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required under 37 CFR § 1.16; (2) any patent application and reexamination processing fees under 37 CFR § 1.17; and/or (3) any post issuance fees under 37 CFR § 1.20. In addition, if any additional extension of time is required, which has not otherwise been requested, please consider this a petition therefore and charge any additional fees that may be required to Deposit Account No. 23-3178.

Dated this 23rd day of June, 2010.

Respectfully submitted,



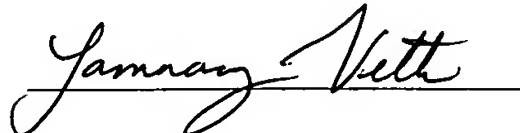
JOHN T. GADD
Attorney for Applicant
Registration No.: 52,928
Customer No.: 22913

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1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, UT 84111
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CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Attention: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 25th day of June, 2010.

Respectfully submitted,



Transmitted: REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323
PTO Form PTO/SB/44 and check No. 169017 in the amount of \$100

JTG:tgp
2900677_1



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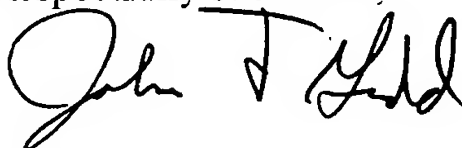
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Payment in the amount of \$100, as set forth in 37 C.F.R. § 1.20(a) is submitted herewith to cover the costs for issuance of the requested Certificate of Correction. The Commissioner is hereby authorized to charge payment of any of the following fees that may be applicable to this communication, or credit any overpayment, to Deposit Account No. 23-3178: (1) any filing fees

required under 37 CFR § 1.16; (2) any patent application and reexamination processing fees under 37 CFR § 1.17; and/or (3) any post issuance fees under 37 CFR § 1.20. In addition, if any additional extension of time is required, which has not otherwise been requested, please consider this a petition therefore and charge any additional fees that may be required to Deposit Account No. 23-3178.

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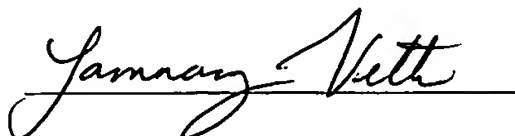
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 7,356,057 B2

APPLICATION NO. : 10/695,057

ISSUE DATE : Apr. 8, 2008

INVENTOR(S) : Deng et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Item 56, References Cited, Other Publications, Publication 4, change "R.A. Morgank" to -- R.A. Morgan--

Item 56, References Cited, Other Publications, Publication 5, change "Cryogenic Operation of AlGaAs-GaAs Vertical-Cavity Surface-Emitting Lasers at Temperatures from 200K to 6 K," to --"Cryogenic Operation of AlGaAs-GaAs Vertical-Cavity Surface-Emitting Lasers at Temperatures from 200K to 6 K,"--

Column 4

Line 54, after "quantum wells", add [112]

Line 62, change "quantum well" to --quantum wells 112--

Column 5

Line 14, after "aperture", add [104]

Line 16, after "layers", add [108]

Line 22, after "diagram", add [200]

Line 28, after "active region", add [204]

Line 33, after "wells", add [220]

Column 6

Line 38, change "330 and" to -330, and--

Line 40, change "VCSEL" to --VCSEL,--

MAILING ADDRESS OF SENDER (Please do not use customer number)

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

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APPLICATION NO. : 10/695,057

ISSUE DATE : Apr. 8, 2008

INVENTOR(S) : Deng et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7

Line 45, after "sensor", add [515]

Line 46, after "VCSEL", add [510]

Line 47, after "sensor", add [515]

Line 47, after "module" add [520]

Line 48, after "sensor", add [515]

Line 49, after "VCSEL", add [510]

Line 50, change "VCSEL. The sensor" to --VCSEL 510. The sensor 515--

Line 61, after "module" add [520]

Column 8

Line 1, change "beater" to --heater--

Line 2, after "VCSEL", add [510]

Line 11, after "heater", add [505]

Line 14, after "heater", add [505]

Line 20, after "heater", add [505]

Line 42, after "module" add [500]

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